

**OFFICIAL**

Burden Hour Statement: This form is estimated to take 0.03 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for

Patents,

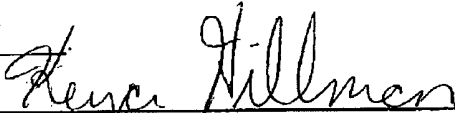
Washington, DC 20231.

**Practitioner's Docket No. MPI00-252P1RM****PATENT**

Fax Number (703) 872-9306

**Certificate of Transmission under 37 CFR 1.8****RECEIVED  
CENTRAL FAX CENTER****MAR 17 2004**

I hereby certify that this correspondence is being facsimile transmitted to the  
United States Patent and Trademark Office

on March 17, 2004

Signature

Keya Hillman

Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of transmission, or this certificate must identify each submitted paper.

**Submitted herewith:**

Amendment Transmittal  
Amendment And Response

(2 pages; in duplicate)  
(16 pages)

**Total**

**Pages (21 pages)**  
(Including this cover sheet)

TO/SB/97 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Practitioner's Docket No. **MPI00-252P1RM****PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Curtis, Rory A.J.  
Application No.: 09/875,321                      Group No.: 1646  
Filed: June 6, 2001                      Examiner: Pak, Michael D.  
For: 12189 AND 52906, NOVEL HUMAN POTASSIUM CHANNELS AND USES  
THEREOF

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT TRANSMITTAL**

1. Transmitted herewith for this application is/are:
  - a. This Amendment Transmittal (2 pages; in duplicate); and
  - b. Amendment and Response (16 pages).

**STATUS**

2. Applicant is other than a small entity.

---

**CERTIFICATION UNDER 37 C.F.R. SECTIONS 1.8(a) and 1.10\***

I hereby certify that, on the date shown below, this correspondence is being:

**MAILING**

- ☐ deposited with the United States Postal Service in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.  
**37 C.F.R. SECTION 1.8(a)**                      **37 C.F.R. SECTION 1.10\***

- ☐ with sufficient postage as first class mail.                      ☐ as "Express Mail Post Office to Addressee"  
Mailing Label No.

**TRANSMISSION**

- ☒ transmitted by facsimile to the Patent and Trademark Office. 703-872-9306

Signature

Keya Hillman

(type or print name of person certifying)

Date: March 17, 2004

*\*WARNING: Each paper or fee filed by "Express Mail" must have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. section 1.10(b). "Since the filing of correspondence under section 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.*

(Page 1 of 2)

Practitioner's Docket No. MPI00-252P1RM**FEE FOR CLAIMS**

3. The fee for claims (37 C.F.R. 1.16(b)-(d)) has been calculated as shown below:

	(Col. 1)		(Col. 2)		(Col. 3)	OTHER THAN A SMALL ENTITY	
	Claims Remaining After Amendment		Highest No. Previously Paid For		Present Extra	Rate	Addit. Fee
Total	30	Minus	31	=	0	\$18.00	\$0.00
Indep.	3	Minus	5	=	0	\$86.00	\$0.00
First Presentation of Multiple Dependent Claims			0			\$290.00	\$0.00
						Total Addit. Fee	\$0.00

Total additional fee for claims required \$0.00

**FEE PAYMENT**

4. Charge Account No. 501668 the sum of \$0.00 (which includes the \$0.00 extension fee and the \$0.00 additional fee for claims).

**FEE DEFICIENCY**

5. If any additional extension and/or fee is required, charge Account No. 501668.  
If any additional fee for claims is required, charge Account No. 501668.
6. Correspondence Address  
Direct all future correspondence to:

Customer Number 30405  
OR  
Intellectual Property Department  
MILLENNIUM PHARMACEUTICALS, INC.  
40 Landsdowne Street  
Cambridge, MA 02139

March 17, 2004

MILLENNIUM PHARMACEUTICALS, INC.

By Kerri Pollard Schray

Kerri Pollard Schray  
Registration No. 47,066  
40 Landsdowne Street  
Cambridge, MA 02139  
Telephone - 617-551-3676  
Facsimile - 617-551-8820

(Page 2 of 2)

Practitioner's Docket No. **MP100-252P1RM****PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Curtis, Rory A.J.  
Application No.: 09/875,321                      Group No.: 1646  
Filed: June 6, 2001                      Examiner: Pak, Michael D.  
For: 12189 AND 52906, NOVEL HUMAN POTASSIUM CHANNELS AND USES  
THEREOF

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT TRANSMITTAL**

1. Transmitted herewith for this application is/are:  
a. This Amendment Transmittal (2 pages; in duplicate); and  
b. Amendment and Response (16 pages).

**STATUS**

2. Applicant is other than a small entity.

---

**CERTIFICATION UNDER 37 C.F.R. SECTIONS 1.8(a) and 1.10\***

I hereby certify that, on the date shown below, this correspondence is being:

**MAILING**

- ☐ deposited with the United States Postal Service in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.  
37 C.F.R. SECTION 1.8(a)                      37 C.F.R. SECTION 1.10\*

- ☐ with sufficient postage as first class mail.                      ☐ as "Express Mail Post Office to Addressee"  
Mailing Label No.

**TRANSMISSION**

- ☒ transmitted by facsimile to the Patent and Trademark Office. 703-872-9306

**Signature****Keya Hillman**

(type or print name of person certifying)

Date: March 17, 2004

*\*WARNING: Each paper or fee filed by "Express Mail" must have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. section 1.10(b). "Since the filing of correspondence under section 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996; 60 Fed. Reg. 56,439, at 56,442.*

(Page 1 of 2)

Practitioner's Docket No. MPI00-252P1RM**FEE FOR CLAIMS**

3. The fee for claims (37 C.F.R. 1.16(b)-(d)) has been calculated as shown below:

(Col. 1)			(Col. 2)		(Col. 3)	OTHER THAN A SMALL ENTITY	
Claims Remaining After Amendment			Highest No. Previously Paid For		Present Extra	Rate	Addit. Fee
Total	30	Minus	31	=	0	\$18.00	= \$0.00
Indep.	3	Minus	5	=	0	\$86.00	= \$0.00
First Presentation of Multiple Dependent Claims			0			\$290.00	= \$0.00
						Total Addit. Fee	\$0.00

Total additional fee for claims required \$0.00

**FEE PAYMENT**

4. Charge Account No. 501668 the sum of
- \$0.00
- (which includes the extension fee and the
- \$0.00
- additional fee for claims).
- \$0.00

**FEE DEFICIENCY**

5. If any additional extension and/or fee is required, charge Account No. 501668.
- 
- If any additional fee for claims is required, charge Account No. 501668.

6. Correspondence Address
- 
- Direct all future correspondence to:

Customer Number 30405  
OR  
Intellectual Property Department  
MILLENNIUM PHARMACEUTICALS, INC.  
40 Landsdowne Street  
Cambridge, MA 02139

March 17, 2004

MILLENNIUM PHARMACEUTICALS, INC.

By 

Kerri Pollard Schray  
Registration No. 47,066  
40 Landsdowne Street  
Cambridge, MA 02139  
Telephone - 617-551-3676  
Facsimile - 617-551-8820

(Page 2 of 2)

RECEIVED  
CENTRAL FAX CENTER

MAR 17 2004

Practitioner's Docket No. MPI00-252P1RMPATENT **OFFICIAL**

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	Curtis, Rory A.J.		
Application No.:	09/875321	Group No.:	1646
Filed:	June 6, 2001	Examiner:	Pak, Michael D.
For:	12189 AND 52906, NOVEL HUMAN POTASSIUM CHANNELS AND USES THEREOF		

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

AMENDMENT AND RESPONSE

Sir: In response to the Office action of Dec 17, 2003, please amend the above-identified application as follows:

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 7 of this paper.

**Remarks** begin on page 10 of this paper.

CERTIFICATION UNDER 37 C.F.R. SECTIONS 1.8(a) and 1.10\*

I hereby certify that, on the date shown below, this correspondence is being:

**MAILING**

- ☐ deposited with the United States Postal Service in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.  
37 C.F.R. SECTION 1.8(a)

**37 C.F.R. SECTION 1.10\***

- ☐ with sufficient postage as first class mail. ☐ as "Express Mail Post Office to Addressee" Mailing Label No.

**TRANSMISSION**

- ☒ transmitted by facsimile to the Patent and Trademark Office. 703-872-9306

Signature

Keya Hillman

(type or print name of person certifying)

Date: March 17, 2004

**\*WARNING:** Each paper or fee filed by "Express Mail" must have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. section 1.10(b). "Since the filing of correspondence under section 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

(Page 1 of 16)